ASCE 1977

COMBINED INDEX

AMERICAN SOCIETY OF CIVIL ENGINEERS FOUNDED 1852

ASCE 1977

Journals (Proceedings)
Civil Engineering,
Transactions,
Manuals and Reports,
and
Special Publications

$5.00 (net)

INDEX TO 1977 ASCE PUBLICATIONS

FOREWORD

The 1977 index, which provides a guide to information published by ASCE during 1977, combines material appearing in the Journals (Proceedings Vol. 103), CIVIL ENGINEERING (Vol. 47), Transactions (Vol. 142), Manuals and Reports, and Special Publications.

The user will find all articles and papers dealing with specific subject areas listed under one or more appropriate subject headings suggested by the content and application of the paper. The Engineers Joint Council "Thesaurus of Engineering Terms" has been used as the primary source of index terms. The Water Resources Thesaurus of the U.S. Department of the Interior and the Micro-Thesaurus compiled by the Soil Mechanics and Foundations Division of ASCE were also used.

The Index can be used in conjunction with the information-retrieval cards printed in the front of each Journal and to the rear of CIVIL ENGINEERING. The bold key words on the information-retrieval cards are the words used as index terms in the 1977 Index.

The name index contains entries indexed under the names of author, co-authors, discussers, chairmen of committees preparing reports, and deceased members whose memoirs appeared in Transactions.

In the name index, the entry for a Proceedings Paper (under the first name if more than one author) is supplemented by information concerning the discussion, closure, and Transactions digest, if applicable. To find what discussion, if any, there has been for a Proceedings Paper located in the subject index, the reader looks under the entry for the first-named author in the name index. When discussion of a paper from a prior year is published, the original entry is repeated. Discussion over a period of time can be traced until the closure to the paper is located.

When the paper appears in Transactions, the complete entry including original paper, discussion, closure, errata (if applicable), and Transactions citation appears in the name index.

Typical abbreviations used herein are:

Dsc for discussion
Clo for closing discussion
Corr for corrections
Err for errata

Chmn for Chairman of a committee submitting a report
TR for Transactions
TN for Technical Note

Items indexed from ASCE Special Publications have the following symbols in the references:

1. UT-76–Urban Transportation Efficiency, Specialty Conference of the Urban Transportation Division, July 26-27, 1976
2. CE15–Proceedings of the Fifteenth Conference on Coastal Engineering, 1976
3. PAC77–Specialty Conference on Ethics, Professionalism and Maintaining Competence, March 10-11, 1977, Columbus, Ohio
4. WW77A–Ports '77. Specialty Conference of the Waterway, Port, Coastal and Ocean Division, March 9-11, 1977, Long Beach, Calif.
5. ETH75–Conference on Engineering Ethics, May 18-19, 1975, Baltimore, Md.
6. PROD–The Civil Engineer's Role in Productivity in the Construction Industry, Vol. 2, 1976
7. RM16–Design Methods in Rock Mechanics, 16th Symposium on Rock Mechanics, September 22-24, 1975, Minneapolis, Minn.
8. GT77–Geotechnical Practice for Disposal of Solid Waste Materials, Specialty Conference of the Geotechnical Engineering Division, June 13-15, 1977, Ann Arbor, Mich.
9. GTAW–Award-Winning ASCE Papers in Geotechnical Engineering, 1950-1959, 1977
10. EM77–Advances in Civil Engineering Through Engineering Mechanics, 2nd Annual Engineering Mechanics Specialty Conference, North Carolina State Univ., May 23-25, 1977, Raleigh, N.C.
11. EFLA–Land Application of Residual Materials, Engineering Foundation Conference, September 26-Oct. 1, 1976, Easton, Md.
12. GT76–Rock Engineering for Foundation and Slopes, Specialty Conference of the Geotechnical Engineering Division, Boulder, Colo., August 16-18, 1976, Vol. II.
13. EFSGS–Shotcrete for Ground Support, Engineering Foundation Conference, October 4-8, 1976, Easton, Md.
14. IR77–Water Management for Irrigation and Drainage, Specialty Conference of the Irrigation and Drainage Division, July 20-22, 1977, Reno, Nev.
15. EFCAUD–Guide for Collection, Analysis, and Use of Urban Stormwater Data, Engineering Foundation Conference, Nov. 28-Dec. 3, 1976, Easton, Md.
16. SCCB–State-of-the-Art Report on Composite or Mixed Steel-Concrete Construction for Buildings, 1977

17. HY77–Hydraulics in the Coastal Zone, Specialty Conference of the Hydraulics Division, August 10-12, 1977, College Station, Texas
18. LE77–The Current State of Knowledge of Lifeline Earthquake Engineering, Specialty Conference of the Technical Council on Lifeline Earthquake Engineering, August 30-31, 1977, Los Angeles, Calif.
19. EFEDS–The Evaluation of Dam Safety, Engineering Foundation Conference, November 28-December 3, 1976, Pacific Grove, Calif.
20. AT77–1977 International Air Transportation Conference, April 3-6, 1977, Washington, D.C.
21. CS77–Coastal Sediments '77, Specialty Conference of the Waterway, Port, Coastal and Ocean Division, November 2-4, 1977, Charleston, S.C.
22. STC–International Colloquium on Stability of Structures Under Static and Dynamic Loads, May 17-19, 1977, Washington, D.C.

Preprints are indicated by the words Preprint and the preprint number and date. They were presented at ASCE National Meetings as follows:

Preprints	*Meeting*	*City*	*Date*
2822-2911	National Convention	Dallas, Texas	April 25-29, 1977
2912-3104	National Convention and Exposition	San Francisco, Calif.	Oct. 17-21, 1977

Journal Abbreviations: Construction (CO), Engineering Mechanics (EM), Environmental Engineering (EE), Geotechnical Engineering (GT), Hydraulics (HY), Irrigation and Drainage (IR), Power (PO), Structural (ST), Surveying and Mapping (SU), Technical Councils (TC), Transportation Engineering (TE), Urban Planning and Development (UP), Waterway, Port, Coastal and Ocean Engineering (WW), Water Resources Planning and Management (WR). Papers sponsored by the Department of Professional Activities appear in "Engineering Issues–Journal of Professional Activities" and are identified by the symbols (EI). Papers appearing in the Transportation Engineering Journal of ASCE include papers approved by the Aerospace, Air Transport, Highway, Pipeline and Urban Transportation Divisions. Papers appearing in the Journal of the Technical Councils of ASCE include papers approved by the Technical Councils on Codes and Standards, Computer Practices, Lifeline Earthquake Engineering, and Research.

The original publication can be found from the index entry as follows: Papers appearing in the Journals (Proceedings) are listed as:

GT9:Sept 77:935:13223

which would indicate a paper published in the Journal of the Geotechnical Engineering Division, September 1977 on page 935, as Proceedings Paper 13223.

The Transactions entry

TR:142:452

indicates that the Digest appears in Transactions, Volume 142, on page 452.

Articles and news items published in CIVIL ENGINEERING are represented as:

CE:May 77:79

Which states that the article appeared in CIVIL ENGINEERING in the May 1977 issue on page 79.

In addition to articles, the following Departments of CIVIL ENGINEERING are indexed: ASCE News, Engineers Notebook, The Readers Write, and The Younger Viewpoint.

Items indexed from Vol. 103 (1977) of the Journals are identified by months. The number of Journals published by a Division in 1977 can be obtained from the number after the last Division abbreviation i.e., GT12, Dec. 1977 identifies the twelfth issue of the Journal of the Geotechnical Engineering Division. The complete list of paper numbers and Journals for 1977 is as follows:

Month	Paper Numbers	CO	EM	EE	EI	GT	HY	IR	PO	ST	SU	TC	TE	UP	WW	WR
Jan.	12649-12701				1	1	1			1			1			
Feb.	12702-12762		1	1		2	2			2					1	
Mar.	12763-12827	1				3	3	1		3			2			
Apr.	12828-12894		2	2	2	4	4			4						
May	12895-12955					5	5			5			3		2	1
June	12956-13023	2	3	3		6	6	2		6						
July	13024-13091				3	7	7		1	7			4	1		
Aug.	13092-13162		4	4		8	8			8					3	
Sept.	13163-13242	3				9	9	3		9	1		5			
Oct.	13243-13306		5	5	4	10	10			10						
Nov.	13307-13372					11	11			11			6		4	2
Dec.	13373-13447	4	6	6		12	12	4		12		1				

This annual index has been composed using magnetic tapes of all 1977 entries. To make future issues more useful, interested persons should submit their suggestions for further improvement to:

Information Services
ASCE
345 East 47th Street
New York, New York 10017

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